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PLAGUE-PREVENTION WORK.

LOUISIANA—NEW ORLEANS—PLAGUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended August 26, 1916, was received from Passed Asst. Surg. Simpson, of the United States Public Health Service, in charge of the work:

OUTGOING QUARANTINE.		PLAGUE RATS.	
Number of vessels fumigated with cyanide gas.....	15	Case No. 321:	
Pounds of cyanide used in cyanide-gas fumigation.....	965	Address, 601 South Pierce Street.	
Pints of sulphuric acid used in cyanide-gas fumigation.....	1,443	Captured, July 18, 1916.	
Clean bills of health issued.....	29	Diagnosis confirmed, Aug. 22, 1916.	
Foul bills of health issued.....	4	Treatment of premises: Fumigation of building throughout. Completion of rat proofing.	
FIELD OPERATIONS.		Case No. 322:	
Number of rodents trapped.....	7,953	Address, 6300 St. Claude Avenue.	
Number of premises inspected.....	7,022	Captured, July 13, 1916.	
Notices served.....	263	Diagnosis confirmed, Aug. 23, 1916.	
Number of garbage cans installed.....	27	Treatment of premises: Intensive trapping. Removal of rubbish and debris.	
BUILDINGS RAT PROOFED.		Case No. 323:	
By elevation.....	96	Address, near intersection of Porter and Monroe Streets, Gretna, La.	
By marginal concrete wall.....	130	Captured, Aug. 5, 1916.	
By concrete floor and wall.....	138	Diagnosis confirmed, Aug. 23, 1916.	
By minor repairs.....	257	Treatment of premises: Intensive trapping.	
Total buildings rat proofed.....	621	Case No. 324:	
Square yards of concrete laid.....	4,132	Address, 4217 Annunciation Street.	
Number of premises, planking and shed flooring removed.....	47	Captured, Aug. 7, 1916.	
Number of buildings demolished.....	88	Diagnosis confirmed, Aug. 21, 1916.	
Total buildings rat proofed to date (abated).....	124,252	Treatment of premises: Intensive trapping.	
LABORATORY OPERATIONS.		PLAGUE STATUS TO AUG. 26, 1916.	
Rodents received by species:		Last case of human plague, Sept. 8, 1915.	
Mus rattus.....	129	Last case of rodent plague, Aug. 7, 1916.	
Mus norvegicus.....	789	Total number of rodents captured to Aug. 26.....	818,086
Mus alexandrinus.....	170	Total number of rodents examined to Aug. 26.....	377,663
Mus musculus.....	6,329	Total cases of rodent plague to Aug. 26, by species:	
Wood rats.....	60	Mus musculus.....	6
Muskrats.....	14	Mus rattus.....	20
Putrid.....	108	Mus alexandrinus.....	16
Total rodents received at laboratory.....	7,599	Mus norvegicus.....	282
Rodents examined.....	1,368	Total rodent cases to Aug. 26, 1916.....	324
Number of rats suspected of plague.....	133		
Plague rats confirmed.....	4		

WASHINGTON—SEATTLE—PLAGUE ERADICATION.

The following reports of plague-eradication work at Seattle were received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

¹ Indicates the number of rodents the tissues of which were inoculated into guinea pigs. Most of these showed on necropsy only evidence of recent inflammatory process; practically none presented gross lesions characteristic of plague infection.

WEEK ENDED AUG. 12, 1916.

RAT PROOFING.	
New buildings inspected.....	11
New buildings reinspected.....	42
Basements concreted, new buildings (square feet, 6,602).....	7
Floors concreted, new buildings (square feet, 35,704).....	14
Yards, etc., concreted, new buildings (square feet, 1,250).....	3
Sidewalks concreted (square feet).....	9,750
Total concrete laid, new structures (square feet).....	53,306
New buildings elevated.....	2
New premises rat proofed, concrete.....	21
Old buildings inspected.....	4
Premises rat proofed, concrete, old buildings.....	2
Floors concreted, old buildings (square feet, 2,775).....	2
Premises otherwise rat proofed, old buildings.....	2
Openings screened, old buildings.....	14
Rat holes cemented, old buildings.....	25
Wooden floors removed, old buildings.....	2
Wire screening used (square feet).....	750
Buildings razed.....	1

LABORATORY AND RODENT OPERATIONS.

Dead rats received.....	6
Rodents trapped and killed.....	365
Rodents recovered after fumigation.....	117
Total.....	488
Rodents examined for plague infection.....	376
Rodents proven plague infected.....	None.
Poison distributed (pounds).....	17
Bodies examined for plague infection.....	4
Bodies found plague infected.....	None.

CLASSIFICATION OF RODENTS.

Mus rattus.....	42
Mus alexandrinus.....	220
Mus norvegicus.....	175
Mus musculus.....	51

WATER FRONT.	
Vessels inspected and histories recorded....	15
Vessels fumigated.....	2
Sulphur used, pounds.....	1,800
New rat guards installed.....	9
Defective rat guards repaired.....	26
Fumigation certificates issued.....	2
Port sanitary statements issued.....	38
The usual day and night patrol was maintained to enforce rat guarding and fending.	

MISCELLANEOUS WORK.

Rat-proofing notices sent to contractors, new buildings.....	14
Letters sent in re rat complaints.....	4
Fishing vessels inspected—medicine chests..	3

RODENTS EXAMINED IN EVERETT.

Mus norvegicus trapped.....	57
Mus norvegicus found dead.....	1
Mus musculus trapped.....	2
Total.....	60
Rodents examined for plague infection....	49
Rodents proven plague infected.....	None.

RAT PROOFING OPERATIONS IN EVERETT.

New buildings inspected.....	1
New buildings reinspected.....	10
New buildings concrete foundations.....	1

RODENTS EXAMINED IN TACOMA.

Mus norvegicus trapped.....	105
Mus alexandrinus trapped.....	3
Total.....	108
Rodents examined for plague infection.....	108
Rodents proven plague infected.....	None.

WEEK ENDED AUG. 19, 1916.

RAT PROOFING.	
New buildings inspected.....	3
New buildings reinspected.....	64
Basements concreted, new buildings (square feet, 22,250).....	19
Floors concreted, new buildings (square feet, 58,475).....	20
Yards, etc., concreted, new buildings (square feet, 1,130).....	5
Sidewalks concreted (square feet).....	11,280
Total concrete laid, new structures (square feet).....	93,135
New buildings elevated.....	1
New premises rat proofed, concrete.....	39
Old buildings inspected.....	6
Premises rat proofed, concrete, old buildings.....	4
Floors concreted, old buildings (square feet, 6,725).....	4
Premises otherwise rat proofed, old buildings.....	2

RAT PROOFING—continued.

Openings screened, old buildings.....	12
Rat holes cemented, old buildings.....	36
Wooden floors removed, old buildings.....	4
Wire screening used (square feet).....	950
Buildings razed.....	1

LABORATORY AND RODENT OPERATIONS.

Dead rodents received.....	12
Rodents trapped and killed.....	409
Rodents recovered after fumigation.....	14
Total.....	435
Rodents examined for plague infection.....	335
Rodents proven plague infected.....	None.
Poison distributed, pounds.....	22
Bodies examined for plague infection.....	2
Bodies proven plague infected.....	None.

CLASSIFICATION OF RODENTS.

Mus ratus.....	19
Mus alexandrinus.....	134
Mus norvegicus.....	229
Mus musculus.....	53

WATER FRONT.

Vessels inspected and histories recorded....	15
Vessels fumigated.....	3
Sulphur used, pounds.....	2,840
New rat guards installed.....	9
Defective rat guards repaired.....	17
Fumigation certificates issued.....	3
Port sanitary statements issued.....	40
The usual day and night patrol was maintained to enforce rat guarding and fending.	

MISCELLANEOUS WORK.

Letters sent in re rat complaints.....	2
Restaurant permits visited.....	8
Fishing vessels inspected, in re medicine chests.....	2

RODENTS EXAMINED IN EVERETT.

Mus norvegicus trapped.....	61
Mus musculus trapped.....	7
Total.....	71
Rodents examined for plague infection.....	60
Rodents proven plague infected.....	None.

RAT PROOFING OPERATIONS IN EVERETT.

New building inspected.....	1
New buildings reinspected.....	9
New building elevated.....	1
New building, basement concreted (square feet, 1,620).....	1
Total concrete laid (square feet).....	1,620

RODENTS EXAMINED IN TACOMA.

Mus norvegicus trapped.....	114
Rodents examined for plague infection.....	100
Rodents proven plague infected.....	None.

HAWAII—PLAGUE PREVENTION.

The following reports of plague-prevention work in Hawaii were received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED AUG. 19, 1916.

Total rats and mongoose taken.....	317	Classification of rats trapped—Continued.	
Rats trapped.....	310	Mus norvegicus.....	32
Mongoose trapped.....	7	Mus rattus.....	21
Examined microscopically.....	258	Average number of traps set daily.....	984
Examined macroscopically.....	59	Cost per rat destroyed.....cents..	23½
Showing plague infection.....	None.	Last case rat plague, Aiea, 9 miles from Honolulu,	
Classification of rats trapped:		Apr. 12, 1910.	
Mus alexandrinus.....	134	Last case human plague, Honolulu, July 12, 1910.	
Mus musculus.....	123		

Hilo.

WEEK ENDED AUG. 12, 1916.

Rats and mongoose taken.....	2,375	Classification of rats trapped and found dead—Continued.	
Rats trapped.....	2,341	Mus rattus.....	559
Rats found dead.....	None.	Mus musculus.....	979
Mongoose taken.....	34	Last case of rat plague, Paauhau Sugar Co., Jan. 18, 1916.	
Rats and mongoose examined macroscopically.....	2,375	Last case of human plague, Paauhau Sugar Co., Dec. 16, 1915.	
Rats and mongoose plague infected.....	None.		
Classification of rats trapped and found dead:			
Mus norvegicus.....	528		
Mus alexandrinus.....	275		

PORTO RICO—PLAGUE PREVENTION.

The following table shows the number of rats and mice examined in Porto Rico for plague infection during the two weeks ended August 19, 1916. No plague infection was found.

Place.	Rats.	Mice.
San Juan.....	130	9
Sancti Spiritus.....	105	12